Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/18/2019 09:57 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124082	-1	1.98	124119	1.99
Blue	F	SSC	125000	123740	-2	3.54	124605	3.53
Blue	E	FITC	16694	16195	-3	3.65	376	21.35
Blue	D	PE	32792	32486	-1	2.92	715	16.23
Blue	B	PerCP-Cy5-5	44451	44015	-1	4.55	1203	23.01
Blue	A	PE-Cy7	33645	33524	-1	7.17	611	48.93
Red	C	APC	47008	46500	-2	3.04	1792	13.68
Red	A	APC-Cy7	32298	31693	-2	2.90	791	14.00
Violet	B	V450	8961	8651	-4	4.49	477	14.37
Violet	A	V500	32726	31739	-4	4.22	763	11.23

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20292	4.30	608	-5	N/A	N/A	Pass
Blue	F	SSC	55977	3.00	577	9	N/A	N/A	Pass
Blue	E	FITC	63	70.60	564	1	0.0165	135	Pass
Blue	D	PE	143	57.74	569	3	0.1384	319	Pass
Blue	B	PerCP-Cy5-5	221	55.47	672	1	0.0073	34	Pass
Blue	A	PE-Cy7	118	120.11	728	2	0.0084	19	Pass
Red	C	APC	411	29.56	613	0	0.0185	159	Pass
Red	A	APC-Cy7	196	31.51	585	0	0.0047	1035	Pass
Violet	B	V450	71	67.59	484	-2	0.0436	2087	Pass
Violet	A	V500	108	34.55	494	-2	0.0181	377	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.20	-31.93	1.05
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	16.26	13.60 - 20.40	N/A	N/A	29.29	29.52	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 13818

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments